

Title (en)
Sealing glass.

Title (de)
Abdichtungsglas.

Title (fr)
Verre de scellement.

Publication
EP 0430206 A1 19910605 (EN)

Application
EP 90122745 A 19901128

Priority
• JP 15796690 A 19900615
• JP 30867189 A 19891128

Abstract (en)
A sealing glass which comprises 1 to 75 % by weight of TeO₂, 1 to 30 % by weight of B₂O₃, 1 to 75 % by weight of PbO, 1 to 25 % by weight of CdO, 0 to 15 % by weight of ZnO, 0 to 25 % by weight of at least one oxide selected from the group of Bi₂O₃ and Ti₂O, 0 to 5 % by weight of A₂O wherein A is an alkali metal, 0 to 35 % by weight of ARO wherein AR is an alkaline earth metal, 0 to 35 % by weight of La₂O₃, 0 to 5 % by weight of at least one oxide selected from the group consisting of Al₂O₃, SiO₂, TiO₂ and ZrO₂, 0 to 10 % by weight of at least one oxide selected from the group consisting of Ta₂O₅, Nb₂O₅, WO₃ and MoO₃, 0 to 30 % by weight of PbF₂, and 0 to 2 % by weight of CoO, which glass has a coefficient of thermal expansion close to a ferrite and good water resistance. <IMAGE>

IPC 1-7
C03C 3/14; **C03C 8/24**

IPC 8 full level
C03C 3/14 (2006.01); **C03C 8/10** (2006.01); **C03C 8/24** (2006.01)

CPC (source: EP)
C03C 3/142 (2013.01); **C03C 8/24** (2013.01); **C03C 8/245** (2013.01)

Citation (search report)
• [X] GB 776784 A 19570612 - BRITISH THOMSON HOUSTON CO LTD
• [A] US 3420683 A 19690107 - IKEDA KOICHI, et al
• [X] CHEMICAL ABSTRACTS, vol. 102, no. 20, 20 May 1985 Columbus, Ohio, USA page 304; ref. no. 171513Y & SU-A-1119990 (RIGA POLYTECH.INST.)(23-10-84)
• [X] WORLD PATENTS INDEX Accession No. 70-33909R Week 19 Derwent Publications Ltd., London GB & JP-B-45 012507 (FUJITSU) (07-05-70)
• [X] CHEMICAL ABSTRACTS, vol. 110, no. 10, 15 May 1989 Columbus, Ohio, USA page 322; ref. no. 178286A & JP-A-63274638 (HOYA CORP.) (11-11-88)
• [Y] CHEMICAL ABSTRACTS, vol. 109, no. 22, 28 November 1988 Columbus, Ohio, USA page 364; ref. no. 195921A & JP-A-63170241 (TOSHIBA GLASS) (14-07-88)
• [A] CHEMICAL ABSTRACTS, vol. 97, no. 4, 26 July 1982 Columbus, Ohio, USA page 246; ref. no. 27612R & SU-A-910514 (RIGA POLYTECH.INST.) (07-03-82)

Cited by
CN109516679A; CN104118992A; US2011232747A1; EP1284247A1; EP1285891A1; EP0858976A3; US8110513B2; WO2009001907A1; US6266181B1; US6356387B1; US6417963B1; US10658528B2; US8889979B2; US8889980B2; US8895843B2; US9722100B2; US10069020B2; US10468542B2; US10559703B2; US11043605B2

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